

Contents Volume 27 1991/1992

Trace element and isotopic zoning in minerals: Models of compositional fractionation by mineral separation procedures	
T.M. Lutz (Delaware, OH, U.S.A.)	1
Nd and Sr isotope chemistry of metallic iron-bearing, sediment-contaminated Tertiary volcanics from Disko Island, Greenland	
C.A. Goodrich and P.J. Patchett (Tucson, AZ, U.S.A.)	13
Fluid-induced retrogression of granulites in the Bergen Arcs, Caledonides of W. Norway: Fluid inclusion evidence from amphibolite-facies shear zones	
T. Andersen, H. Austrheim (Oslo, Norway) and E.A.J. Burke (Amsterdam, The Netherlands)	29
Isotopic (Rb-Sr, U-Pb and Sm-Nd) and trace element geochemistry of eclogites from the pan-African Belt: A case study of REE fractionation during high-grade metamorphism	
J. Bernard-Griffiths, J.-J. Peucat (Rennes, France) and R.-P. Ménot (St. Etienne, France)	43
Garnet breakdown in some deep seated garnetiferous xenoliths from the central Sierra Nevada: Petrologic and tectonic implications	
B. Mukhopadhyay (Richardson, TX, U.S.A.)	59
Guide for Authors	
The metamorphism and migmatization of the Xanthe-Echinos metamorphic complex, Central Rhodope, Greece	
C.N. Kotopoulis (Patras, Greece), G. Pe-Piper (Halifax, N.S., Canada) and C.G. Katagas (Patras, Greece)	79
The Permo-Jurassic alkaline province of Tadzhak, Mali: Geology, geochronology and tectonic significance	
J.P. Liégois (Tervuren, Belgium), J.F. Sauvage (Pasay City, Philippines) and R. Black (Paris, France)	95
Kaersutite megacrysts and associated crystal inclusions from the Cima volcanic field, San Bernardino County, California	
A.A. Colville and G.A. Novak (Los Angeles, CA, U.S.A.)	107
Chemical and mineralogical comparison of the Pennsylvanian Fountain Formation, Colorado, U.S.A. (an uplifted continental block) to sedimentary rocks from other tectonic environments	
R.L. Cullers and J. Stone (Manhattan, KS, U.S.A.)	115
Polyphase Variscan emplacement of exotic terranes (Morais and Bragança Massifs) onto Iberian successions: Evidence from $^{40}\text{Ar}/^{39}\text{Ar}$ mineral ages	
R.D. Dallmeyer (Athens, GA, U.S.A.), A. Ribeiro and F. Marques (Lisboa, Portugal)	133
Book Reviews	
Phase Transitions in Ferroelastic and Co-elastic Crystals, by E.K.H. Salje — F. Seifert	145
Eclogite Facies Rocks by D.A. Carswell (Editor) — J. Bernard-Griffiths	145
Radioanalysis in Geochemistry by H.A. Das, A. Faanhof and H.A. van der Sloot — H. Kunzendorf	147
Isothermal-isobaric mineral equilibria in braunite, rhodonite, johannsenite, calcite bearing assemblages from Northern Apennine metacherts (Italy)	
R. Cabella, L. Gaggero and G. Lucchetti (Genova, Italy)	149
Zeolite to prehnite-pumpellyite facies metamorphism of the late Proterozoic Zig-Zag Dal Basalt Formation, eastern North Greenland	
R.E. Bevins (Cardiff, U.K.), G. Rowbotham (Staffs, U.K.) and D. Robinson (Bristol, U.K.)	155
The Ordovician chondrite from Brunflo, central Sweden, II. Secondary minerals	
J.O. Nyström and F.E. Wickman (Stockholm, Sweden)	167
Mineral-fluid-melt interactions in high-pressure shear zones in the Bergen Arcs nappe complex, Caledonides of W. Norway: Implications for the fluid regime in Caledonian eclogite-facies metamorphism	
T. Andersen, H. Austrheim (Oslo, Norway) and E.A.J. Burke (Amsterdam, The Netherlands)	187
Rod-like and orbicular structure in mid Devonian feldspar porphyries, New South Wales, Australia	
G. Neef (Kensington, Australia)	205
Book Review	
Determination of the Precious Metals: Selected Instrumental Methods by J.C. Van Loon and R.R. Barefoot — K.J. Irgolic	213

Amphibole evolution in Variscan eclogite-amphibolites from the Savona crystalline massif (Western Ligurian Alps, Italy): Controls on the decompressional $P-T-t$ path	215
B. Messiga, R. Tribuzio and F. Caucia (Pavia, Italy)	
Chromite crystallization in a multicellular magma flow: Evidence from a chromitite dike in the Oman ophiolite	231
M. Leblanc (Montpellier, France) and G. Ceuleneer (Toulouse, France)	
Magma development of the Leka Ophiolite Complex, central Norwegian Caledonides	231
H. Furnes, R.B. Pedersen (Bergen, Norway), J. Hertogen (Leuven, Belgium) and B.A. Albrektsen (Bergen, Norway) ...	259
Contact zone interaction of metabasites with metapelites: Amphibolite facies mineral assemblages, chemical profiles and their origin, the Puolankajärvi Formation, Finland	
P. Tuisku (Oulu, Finland)	279
Composition of geothermal minerals from saline and dilute fluids — Krafla and Reykjanes, Iceland	301
Á.c. Steinbjörnsdóttir (Reykjavík, Iceland)	
Author Index Volume 27, 1991/1992	317

